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of proteids, £20; the ductless glands, £40. Botany.—Structure of fossil plants, £50; physiology of heredity, £35; botanical photographs, £5. Educational Science.—Studies suitable for elementary schools, £20. Corresponding Societies Committee, £20.

We hope to receive accounts of the scientific work of the meeting, which according to the programs were of more than usual interest and importance.

THE EIGHTH INTERNATIONAL GEOGRAPHIC CONGRESS.

As we have already announced, the eighth International Geographic Congress will meet in the United States, beginning at Washington, on September 8. It will reconvene in Philadelphia on September 12, at 9 o'clock; and again in New York on September 13, at 10 o'clock. After a field meeting at Niagara Falls on September 16, it will reassemble in Chicago on September 17, at 10 o'clock; and it will finally convene in St. Louis, in conjunction with the International Congress of Arts and Science on September 19, at 10 o'clock.

Among the more detailed arrangements for the members, it may be noted that there will be an informal reception at Hubbard Memorial Hall of the National Geographic Society on the evening preceding the meeting; a reception by Mrs. Gardiner G. Hubbard, on September 9, and a reception by Commander and Mrs. Peary, on September 10; Professor E. von Drygalski will give a lecture on the evening of September 9.

At Philadelphia, members will be entertained by the Geographical Society; a luncheon will be given by the University of Pennsylvania, and dinner will be provided in the evening. In New York the members will be entertained by the American Geographical Society, which offers a reception on September 13, and there will be a dinner on September 14; luncheon will be served at the American Museum of Natural History; Sir John Murray will make an address, introducing a discussion on oceanography. On September 15 there will be an excursion up the Hudson River to Mt. Beacon, on the steamer *Richmond*, and a visit to West Point. Professor

W. M. Davis, of Harvard University, will conduct the field meeting on Mt. Beacon. At Niagara Falls, on September 16, Mr. G. K. Gilbert, of the U. S. Geological Survey, will give an address on the geographic development of the cataract, and a field meeting will be held in charge of geographers familiar with the region.

At Chicago, on September 17 and 18, members will be entertained by the Geographical Society of Chicago and by the University of Chicago. On Monday, Tuesday, Wednesday and Thursday, the congress will meet with the International Congress of Arts and Science, at St. Louis. Commander Peary, the president of the congress, will give an address on the evening of December 20, and the closing session will be held on September 22.

At the various scientific sessions a very large number of papers will be presented. They are classified as follows: physiography, mathematical geography, biogeography, exploration, technique, historical and educational. The president of the United States is honorary president of the congress, and apparently all the foreign ambassadors and ministers are honorary vice-presidents; the general secretary is Mr. Henry Gannett, and the treasurer is Mr. J. J. Edson; Dr. W J McGee is chairman; and Dr. J. H. McCormick, secretary of the committee of arrangements.

A cordial and specific invitation is given to all persons interested in the science of geography to become members of the congress and participate in its proceedings. Application for membership, the fee being \$5, should be addressed to The Eighth International Geographical Congress, Hubbard Memorial Building, Washington, D. C.

THE INTERNATIONAL CONGRESS OF ARTS AND SCIENCE.

A MEMORANDUM has been issued for the use of foreign speakers at the Congress of Arts and Science. A New York reception committee has been formed, with Mr. F. P. Keppel, secretary of Columbia University, as chairman. The members of the committee will so far as possible meet the guests on arrival. Professor Hugo Münsterberg, one

of the vice-presidents of the congress, expects to be at the Manhattan Hotel from September 9 to 14. The visitors will be entertained at the University of Chicago from September 15 to 17. After the congress at St. Louis, they will proceed to Washington, and will be received by President Roosevelt on the twenty-seventh. Visits will be made to the Johns Hopkins University, the University of Pennsylvania and Princeton University. From October 2 to 5 will be spent in Boston; a reception will be given by Professor Münsterberg, a luncheon by the Harvard Corporation and a banquet by the professors of Harvard University and the Massachusetts Institute of Technology. October 6 will be spent at Yale University, and the closing festivity will be held on October 8 under the auspices of the Association of Old German Students in New York.

We hope that any readers of SCIENCE, who, owing to absence from home during the summer holidays or for other reasons, did not see the last number of SCIENCE will turn to it and read the invitation extended to American men of science by President Butler, chairman of the administrative board, and Professor Newcomb, chairman of the organizing committee, and the article by Professor Münsterberg, vice-president of the congress. It is desirable that as many American men of science as possible be present at St. Louis from September 19 to 25 as an act of courtesy to the foreign visitors, no less than from enlightened self-interest.

SCIENTIFIC NOTES AND NEWS.

PROFESSOR HUGO DE VRIES, professor of botany at the University of Amsterdam, gave the convocation address at the University of Chicago, on September 2. The degree of LL.D. was conferred on him.

At the conclusion of the address of Mr. C. A. Parsons, as president of the Engineering Section of the British Association, he was presented by Dr. Schröter with the gold medal of the German Society of Civil Engineers.

A PRIZE in chemistry, to be awarded every second year for the best doctor's dissertation in chemistry, has been established in honor of the seventieth anniversary of the birth of Professor U. Schiff, of Florence.

DR. H. H. RUSBY, professor of botany and materia medica, in the New York College of Pharmacy, Columbia University, is at present studying the collections at Kew.

SIR WILLIAM RAMSAY, the retiring president of the Society of Chemical Industry, which is meeting in New York this week, reached New York on the first instant.

DR. S. KITASATO, the well-known Japanese bacteriologist, is among the eminent men who have recently arrived in this country to attend the approaching Congress of Arts and Science at St. Louis.

THE Honorable Carroll D. Wright, U. S. Commissioner of Labor, will retire from this office on December 1, when he will assume the active presidency of Clark College.

PROFESSOR G. H. BARTON, of the Massachusetts Institute of Technology, and a party of students, are at present in the Hawaiian Islands studying their geology.

MR. J. E. BURBANK, of the University of Maine, has been appointed to a position in the U. S. Magnetic Survey, Washington.

MR. F. C. WILLCOCKS, demonstrator in entomology and botany in the Southeastern Agricultural College, Wye, has been appointed entomologist to the Khedivial Agricultural Society at Cairo.

THE president of the British Board of Education has appointed Mr. W. I. Last, A.M.I.C.E., senior keeper in the science division of the Victoria and Albert Museum, to be director of that division of the museum, in the place of Major-General Festing, C.B., F.R.S., who has recently retired at the age of 64 on the operation of the age limit.

WE learn from the London *Times* that the Hugh Miller Memorial Institute at Cromarty was opened on August 26, by Mr. Andrew Carnegie. The institute, which had its inception at the Hugh Miller centenary celebrations two years ago, is a short distance from the house where the geologist was born, and the accommodation provided includes a public library. The site was given by Colonel Ross, of Cromarty, the cost of the building, amounting to £1,200 was defrayed by Mr. Carnegie, and the public subscribed £400 for an endowment